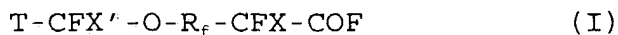


A PROCESS FOR THE PREPARATION OF PERFLUOROPOLYETHERS
ACYL-FLUORIDE ENDED BY REDUCTION OF THE CORRESPONDING
PEROXIDIC PERFLUOROPOLYETHERS

ABSTRACT

A process for the preparation of perfluoropolyethers of formula:



wherein:

T = COF, F, C₁-C₃ perfluoroalkyl;

X, X' = -F, -CF₃;

R_f = -(C₂F₄O)_m(CF₂CF(CF₃)O)_n(CF₂O)_p(CF(CF₃)O)_q-, the sum n+m+p+q ranges from 2 to 200,

by reduction with hydrogen of the corresponding peroxidic perfluoropolyethers, in the presence of a catalyst formed by metals of the VIII group supported on metal fluorides, at a temperature from 20°C to 140°C, and at a pressure between 1 and 50 atm.